



SCANBE

ELECTRONIC PACKAGING HARDWARE

SPECIALISTS IN CIRCUIT CARD MOUNTING SYSTEMS



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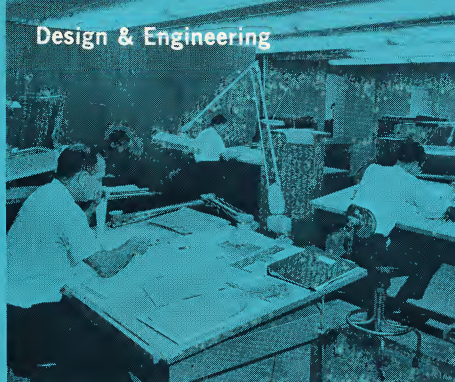
SPECIALISTS IN CIRCUIT CARD MOUNTING SYSTEMS

Scanbe offers the widest selection of hardware for electronic packaging, with emphasis on circuit card mounting. Scanbe products include a variety of designs, from card guides, card files, equipment drawers through complex system size configurations. Auxiliary product lines include microcircuit mount-

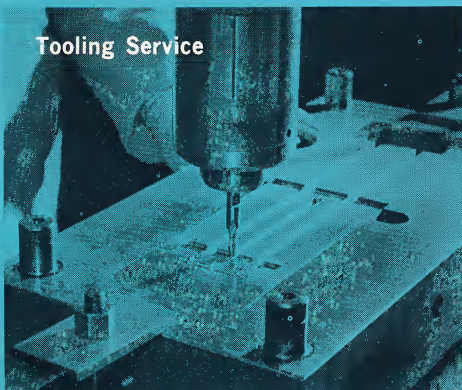
ing clips and card ejectors. Also available are compatible drawer slides and card connectors. Scanbe products can be purchased as kits, as "standard" items, or in many special designs. Scanbe offers **complete** capability through its products and services.

COMPLETE IN-HOUSE CAPABILITY

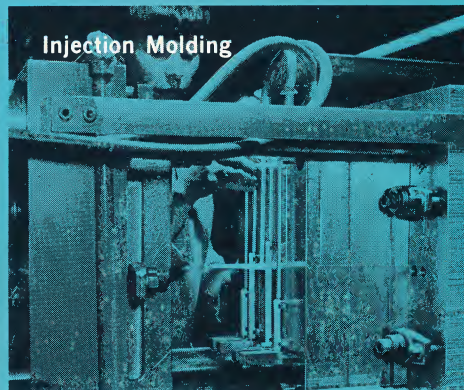
Design & Engineering



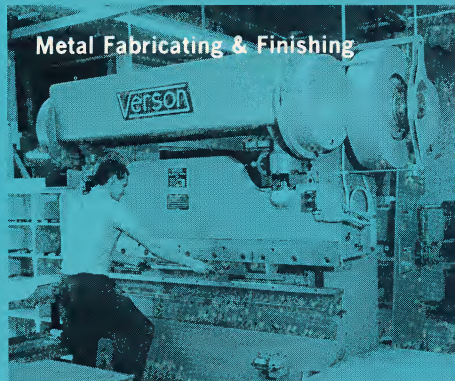
Tooling Service



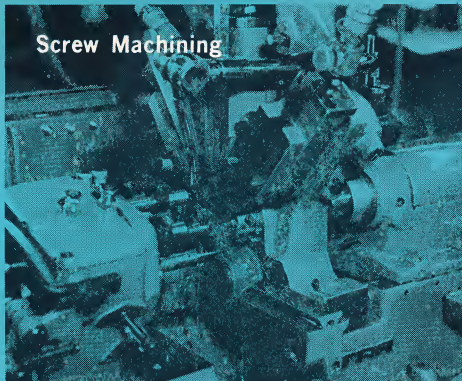
Injection Molding



Metal Fabricating & Finishing



Screw Machining



Assembly, Standard & Special



KNOW-HOW, EXPERIENCE

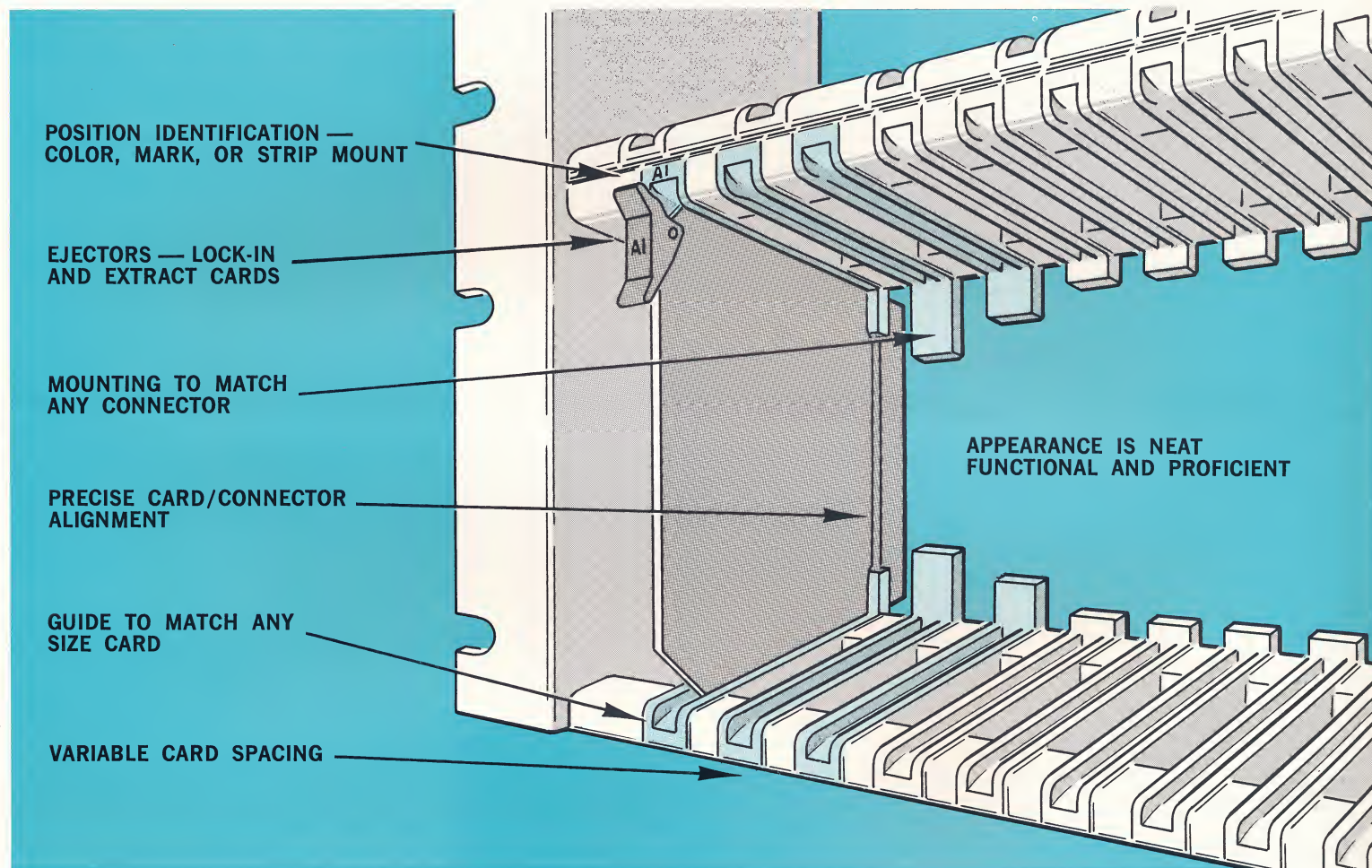
Scanbe is the **ORIGINATOR** of advanced circuit card packaging systems, and a **PIONEER** of integrated design and manufacturing concepts for total performance. Scanbe is also the

LEADER in the electronic packaging industry through outstanding design and completeness of manufacturing capability. Scanbe is your **PARTNER** in all electronic packaging projects.

ADVANTAGES OF THE SCANBE SYSTEM

The Scanbe card mounting system utilizes injection molded, vibration and shock dampening nylon for all components coming in contact with the card itself. The nylon can be colored or hot stamped for easy identification of card positions. The Scanbe guides exclusive connector mounting provision insures precise card/connector alignment. The guides are lightweight and rugged. Their small profile

reduces air flow impedance, helps promote system cooling. The card/connector mounting sets can be easily spaced at any increments to allow for variable spacing of cards. The Scanbe System is adaptable to cards of any size and configuration. Almost any arrangement and density of cards can be achieved.

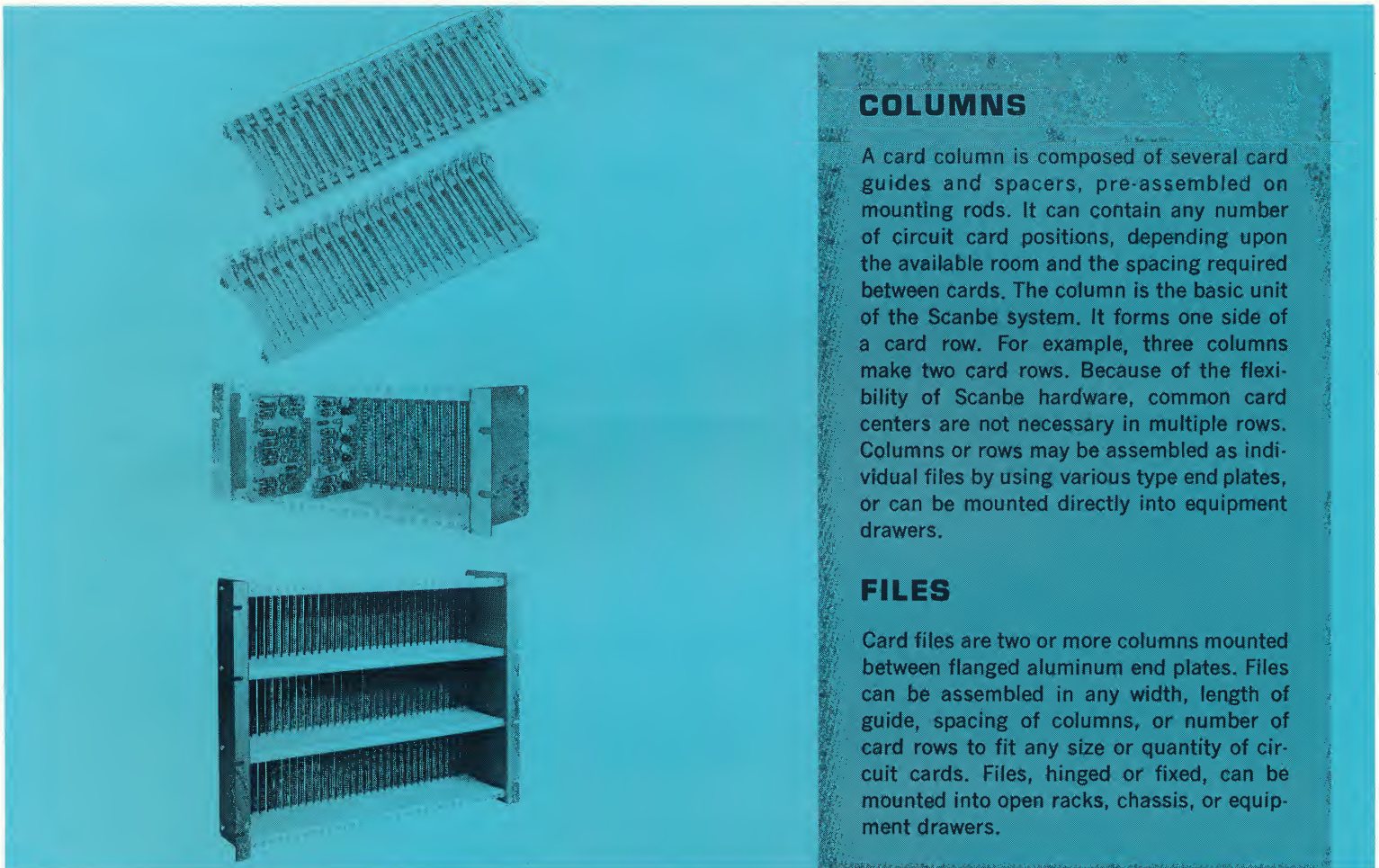


OTHER EXCLUSIVE FEATURES

- Standard or Special designs for card file, drawers, or cabinet size requirements.
- Designs for special cards — thick, square, extra long, etc.
- Nylon — rugged self lubricating, insulating
- High strength, lightweight mounting bars
- Low cost special tooling, and design assistance
- Complete microcircuit mounting hardware
- Accessories available

SCANBE TOTAL PERF

COLUMNS AND FILES



COLUMNS

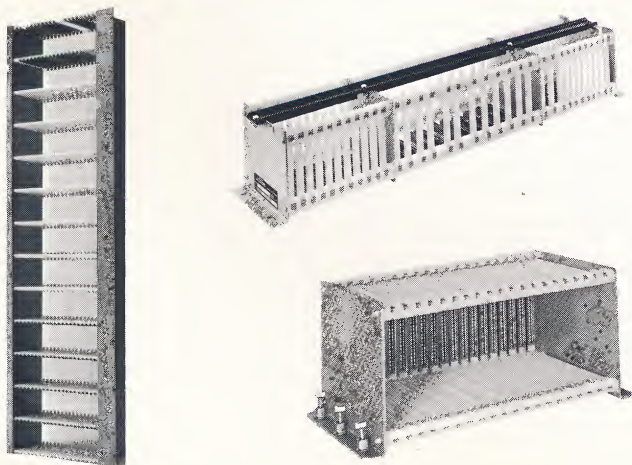
A card column is composed of several card guides and spacers, pre-assembled on mounting rods. It can contain any number of circuit card positions, depending upon the available room and the spacing required between cards. The column is the basic unit of the Scanbe system. It forms one side of a card row. For example, three columns make two card rows. Because of the flexibility of Scanbe hardware, common card centers are not necessary in multiple rows. Columns or rows may be assembled as individual files by using various type end plates, or can be mounted directly into equipment drawers.

FILES

Card files are two or more columns mounted between flanged aluminum end plates. Files can be assembled in any width, length of guide, spacing of columns, or number of card rows to fit any size or quantity of circuit cards. Files, hinged or fixed, can be mounted into open racks, chassis, or equipment drawers.

SPECIAL ASSEMBLIES

Scanbe mounting hardware provides the user with the greatest possible flexibility in card mounting systems of any size or density. Shown here are a few of the many special assemblies designed and manufactured by Scanbe. The Scanbe system adapts easily to unusual shapes and volumes with maximum density wherever required. *Scanbe offers complete capability — from concept through complete manufacturing and assembly.*



PERFORMANCE PRODUCTS

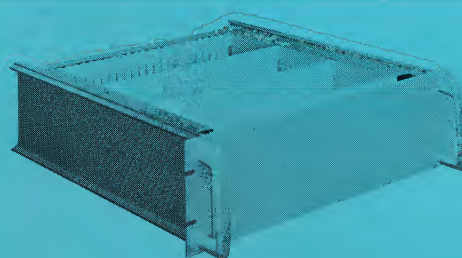
EQUIPMENT DRAWERS

HORIZONTAL DRAWERS

Horizontal equipment drawers, the most commonly used instrument package, are available in Scanbe's "Tilt-File" design, or in fixed units designed to fit most system construction needs. All models accommodate multiple card rows. Space can be provided behind front and rear panels for mounting components or assemblies, and space can be reserved in the card storage area for mounting power supplies or other auxiliary units.

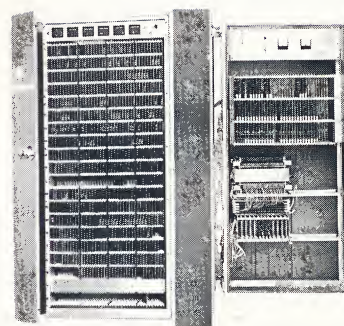
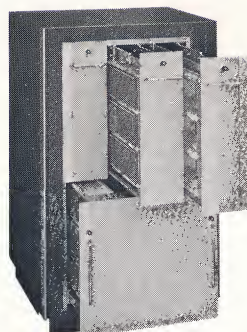
VERTICAL DRAWERS

Vertical high-density equipment drawers from two to seven feet tall, for 100 or more cards, provide modular storage for any desired number of rows, with complete access to circuit cards from one side, and connector and wiring from the other. Minimizes cabling problems and reduces cost for the large system user.



SPECIAL SYSTEMS

Scanbe engineering and manufacturing capability can provide Scanbe card guide advantages for almost any size or type of cabinet enclosures. Scanbe can design the optimum packaging solution and engineer into the system for proper performance consistent with configuration, cost and environmental requirements, for shock, vibration, weight, and cooling. Scanbe's experience is always available to assist you in designing the best card mounting system for your individual needs.



THREE SERIES ARE AVAILABLE...R, T, AND M

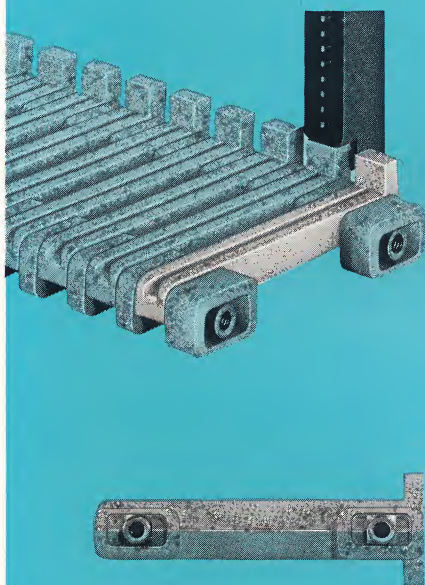
Series R is Scanbe's basic circuit card support system utilizing one piece card/connector guides and rugged round steel support rods. Easily adaptable to special guide designs. As with the T & M series, the R series has all nylon parts with metal connector mount inserts for positive connector mounting.

Series T guides are extendable to accommodate extra long cards. The T profile mounting bar offers extra thin guide column wall thickness. The H profile mounting bar allows independent guide spacing on either sides of a guide column.

Series M is designed specifically for miniature integrated circuit cards. Small in size, the M series uses only one "T" or "H" shaped mounting bar. Small guide profile enables higher density packaging and better cooling. Random spacing, and positive card/connector mounts are provided.

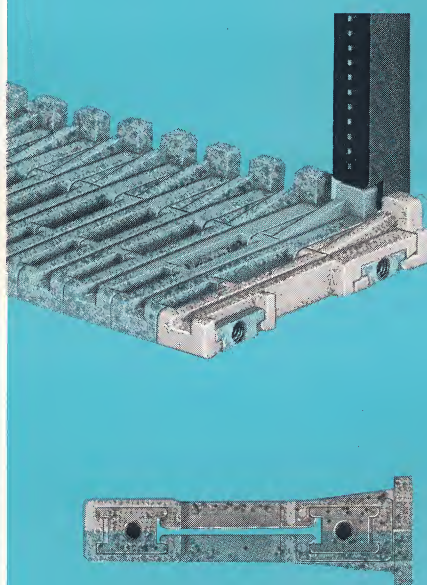
SERIES R

- Stainless steel mounting rods
- For cards 1.5 - 12 inches long
- 1/2" minimum card spacing
- Accommodates over 300,000 card configurations



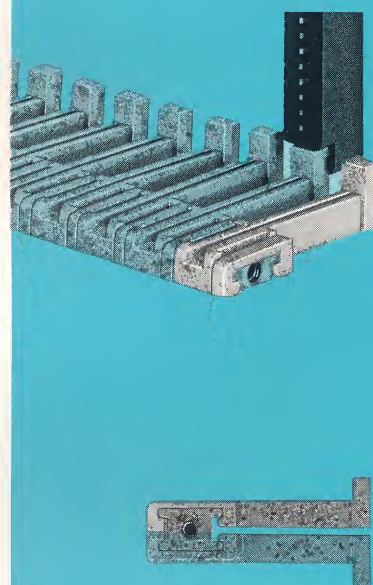
SERIES T

- T or H profile mounting bars
- For cards 2.75 - 30 inches long
- 1/2" minimum card spacing
- Accommodates over 100,000 card configurations



SERIES M

- Single T or H profile mounting bar
- For miniature cards 1 - 2.75" long
- 3/8" minimum card spacing
- Accommodates over 500 card configurations



SERVICES AND ACCESSORIES

Each system made by Scanbe has quality "built-in" and is backed up with complete manufacturing services not commonly available. Nylon parts can be color coded or hot stamped with alpha numerical identification. Also Scanbe identification strips can be attached.

Scanbe provides a wide variety of metal hardware finishes. Chemical film, anodized and painted surfaces of all types are available. A complete line of hardware accessories are provided — standard drawer slides, connectors, handles, fasteners, hinges, etc.

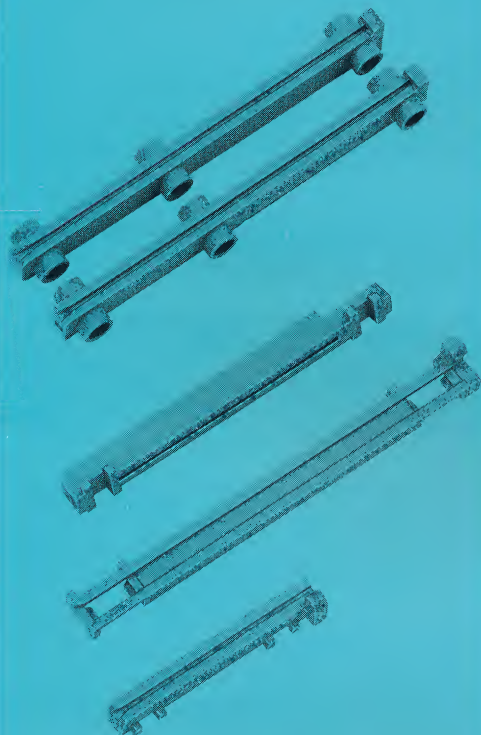
AVAILABLE COMPONENTS

Composite guides are fixed spacing, one piece guide-and-spacer modules applicable where large quantity justifies tooling costs. Wide-track guides for unique module mounting requirements. Other specials for unusual card/connector configurations.

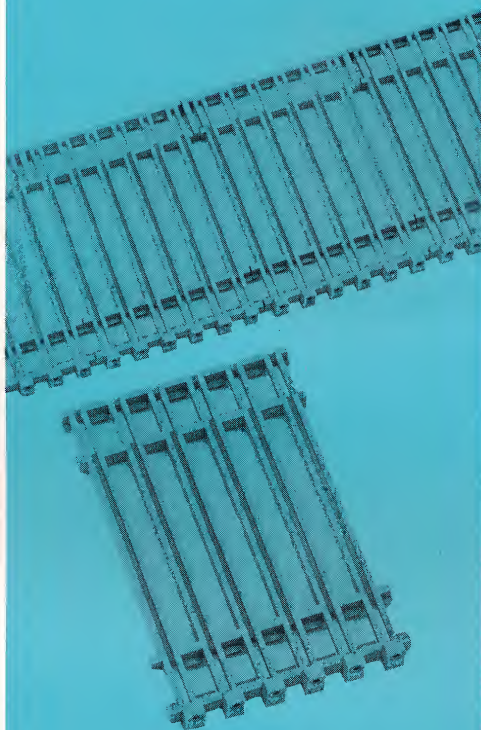
For high volume requirements, over 20,000 card positions, investigate Scanbe's "Slab" method of manufacturing, a technique which provides an entire card column as a single molded unit. Designed for a wide variety of guide/spacing configuration and column lengths.

Scanbe's unique card ejectors offer new card "lock-in" features as well as ease of card removal — with wide or narrow face to suit individual card spacing; flat-top for use where overhead clearance is minimal. Also ideally suited for card identification. "PAC-TAC" mounting clips serve for solderless attaching of integrated circuit flat packs to circuit cards.

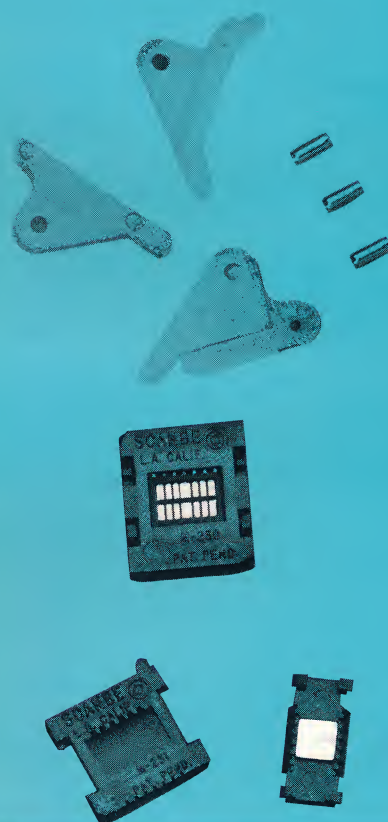
COMPOSITE GUIDES AND SPECIALS



SLABS



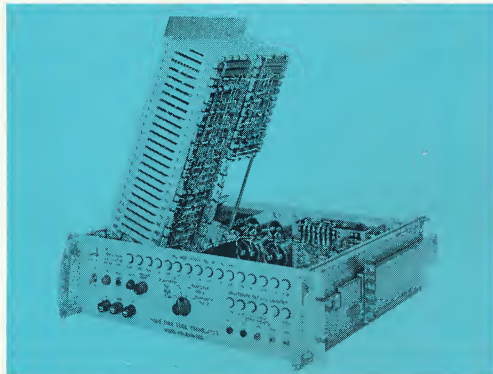
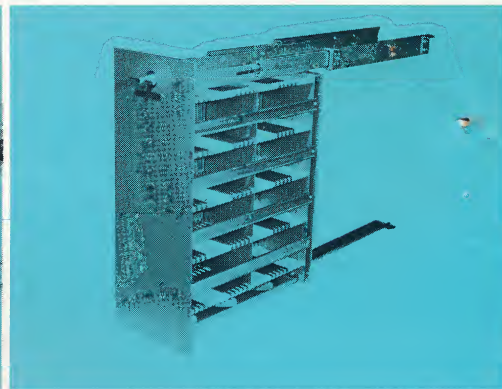
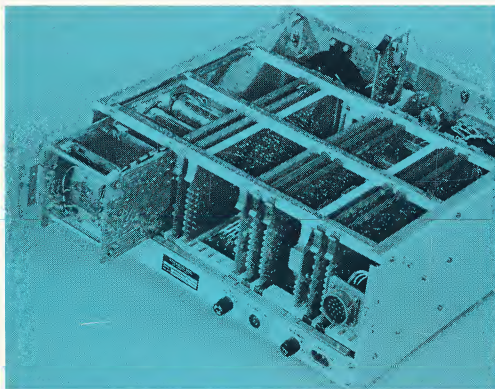
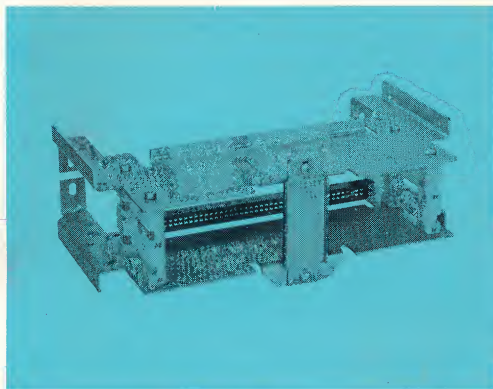
EJECTORS AND IC HOLDERS



HOW TO PLAN YOUR SYSTEM

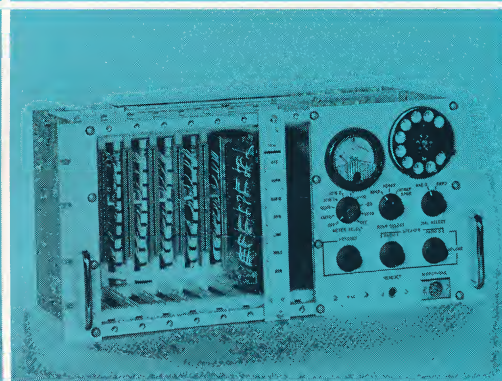
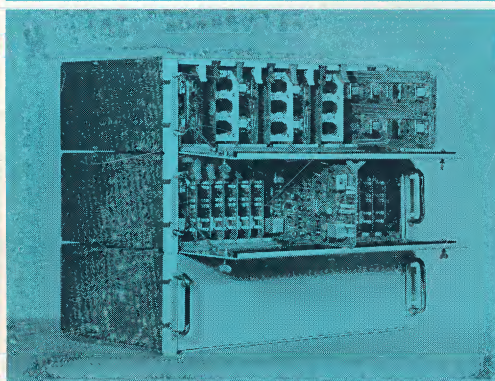
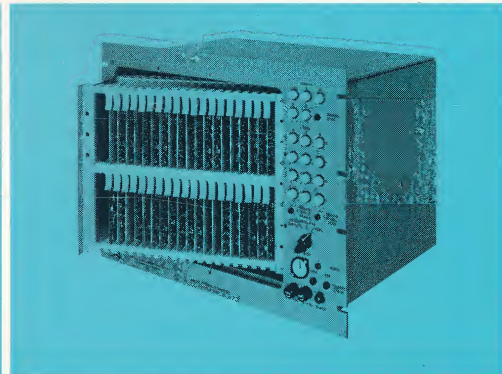
Detail catalogs and complete information on how to specify and order Scanbe products are available to help you plan any system for any application. Send us a brief statement of your individual requirements, specifically: 1. Your circuit card dimensions; 2. Card connector manufacturer and part number; 3. Card spac-

ing requirements; 4. Number of cards per row; 5. Number of card rows; 6. Type of assembly: file, drawer, other; 7. Total number of cards per unit; 8. Number of units required. For further assistance contact your local Scanbe representative or contact us direct.



TYPICAL APPLICATIONS

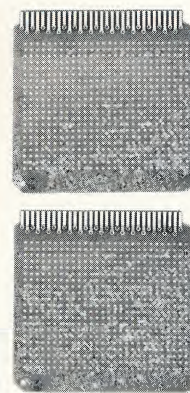
Scanbe's Electronic Packaging Hardware products find a variety of usages in the fields of data processing, communications, controls, instrumentation, and many other applications. If your particular application is not shown here, many others are available from our files and your inquiry will receive prompt attention.



CARD-MATE KITS

For those who wish to design and build their own circuit card mounting systems, Scanbe offers a line of CARD-MATE KITS which include all parts necessary for complete files or drawer assemblies. Kits are available to accommodate a large variety of card sizes and different configurations.

A line of prototype component MOUNTING CARDS is available for general purpose circuit packaging needs. Detailed information on CARD-MATE KITS and MOUNTING CARDS is available on request.



SCANBE MANUFACTURING CORP.

1161 MONTEREY PASS RD., MONTEREY PARK CALIF.
TELEPHONE: (213) 264-2300 TWX 266-6853



SCANBE MANUFACTURING CORP. / 1161 MONTEREY PASS RD., MONTEREY PARK, CALIF. / (213) 264-2300/TWX 266-6853

Please send information on:

- ☐ Series-R P.C. Packaging
- ☐ Series-T P.C. Packaging
- ☐ Series-M.P.C. Packaging
- ☐ Card-Mate Card File Kit
- ☐ Integrated Circuit Mounting Hardware

- ☐ Have a representative call
- ☐ Arrange a demonstration of _____

- ☐ Information is for reference file.
- ☐ Add me to your mailing list.
- ☐ Please correct address as above.

FIRST CLASS

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Monterey Park
California**

BUSINESS REPLY CARD

NO POSTAGE STAMP NECESSARY IF MAILED IN UNITED STATES

POSTAGE WILL BE PAID BY—

SCANBE MANUFACTURING CORP.

1161 Monterey Pass Road

Monterey Park, California 91754





SPECIFICATION FORM



FOR ADDITIONAL INFORMATION REGARDING YOUR REQUIREMENTS PLEASE FILL IN THE INFORMATION BELOW.
MAIL THE SELF ADDRESSED COPY TO SCANBE AND RETAIN THIS COPY FOR YOUR RECORDS.

1. CONNECTOR: Manufacturer _____ Part Number _____
Connector To Be Supplied ☐ Connector Not To Be Supplied ☐

2. CONNECTOR MOUNTING: Unless otherwise specified insert will be brass Optional Stainless Steel ☐ Through Hole ☐

3. DIAGRAM OF YOUR CIRCUIT CARD:

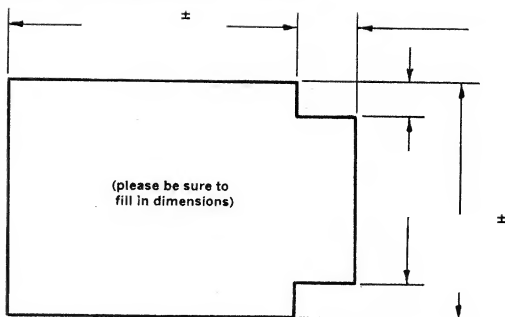
a. Card thickness

1/16 ☐ Other _____

b. Number of Cards in each unit.

c. Total number of Cards to be mounted.

d. If more than one card size
please attach additional drawing.



4. CARD CENTER TO CENTER SPACING: _____ For variable spacing submit drawing.

5. NUMBER OF CARD POSITIONS PER COLUMN OR ROW: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
(Circle Number Required) 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

6. NUMBER OF CARD ROWS: (Circle Number Required) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

7. ASSEMBLY TYPE:	Column <input type="checkbox"/>	File <input type="checkbox"/>	Horizontal Drawer <input type="checkbox"/>	Vertical Drawer <input type="checkbox"/>
(Check type required)				
NUMBER OF UNITS REQUIRED				

CUSTOMER:	DATE:
ADDRESS:	
ENGINEER:	TELEPHONE:
REQUESTED BY:	TELEPHONE:
SCANBE APPROVAL:	DATE:

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MONTEREY PARK, CALIFORNIA

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